



PATENT

Case Docket No. ASMMC.045AUS

Date: December 10, 2003

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Raaijmakers et al.  
Appl. No. : 10/696,244  
Filed : October 28, 2003  
For : OXYGEN BRIDGE  
STRUCTURE AND METHODS  
TO FORM OXYGEN BRIDGE  
STRUCTURES  
Examiner : Unknown  
Group Art Unit : Unknown

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

December 10, 2003

(Date)

Andrew N. Merickel, Reg. No. 53,317

TRANSMITTAL LETTER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) A Power of Attorney Form and Copy of Assignment.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.

Andrew N. Merickel  
Registration No. 53,317  
Attorney of Record  
Customer No. 20,995  
(415) 954-4114



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Raaijmakers et al. )  
App. No. : Unknown )  
Filed : Herewith )  
For : OXYGEN BRIDGE STRUCTURES )  
AND METHODS TO FORM )  
OXYGEN BRIDGE STRUCTURES )  
Examiner : Unknown )

ESTABLISHMENT OF RIGHT OF ASSIGNEE TO TAKE ACTION  
AND  
REVOCATION AND POWER OF ATTORNEY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The undersigned is empowered to act on behalf of the assignee below (the "Assignee"). A true copy of the original Assignment of the above-captioned application from the inventor(s) to the Assignee is attached hereto. This Assignment represents the entire chain of title of this invention from the Inventor(s) to the Assignee.

I declare that all statements made herein are true, and that all statements made upon information and belief are believed to be true, and further, that these statements were made with the knowledge that willful, false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001, and that willful, false statements may jeopardize the validity of the application, or any patent issuing thereon.

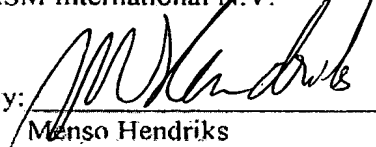
The undersigned hereby revokes any previous powers of attorney in the subject application, and hereby appoints the registrants of Knobbe, Martens, Olson & Bear, LLP, 2040 Main Street, Fourteenth Floor, Irvine, California 92614, Telephone (949) 760-0404, **Customer**

**App. No.** : Unknown  
**Filed** : Herewith

No. 20,995, as its attorneys with full power of substitution and revocation to prosecute this application and to transact all business in the U.S. Patent and Trademark Office connected herewith. This appointment is to be to the exclusion of the inventor(s) and his attorney(s) in accordance with the provisions of 37 C.F.R. § 3.71.

Please use **Customer No. 20,995** for all communications.

ASM International N.V.

Dated: 4 November 2003 By:   
Menso Hendriks

Title: Central IP Counsel

Address: Jan van Eycklaan 10  
3723 BC Bilthoven  
THE NETHERLANDS

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093003

**COPY**  
**Do Not Rec rd**  
**ASSIGNMENT**


WHEREAS, We, Ivo Raaijmakers, a citizen of The Netherlands, residing at Soestdijkseweg 389, Bilthoven 3723 HD, The Netherlands, Pekka J. Soininen, a Finnish citizen, residing at Haltijatontuntie 21A1, FIN-02200, Espoo, Finland, and Kai-Erik Elers, a Finnish citizen, residing at Härkävaljakontie 7A3, FIN-00750, Helsinki, Finland, have invented certain new and useful improvements in a OXYGEN BRIDGE STRUCTURES AND METHODS TO FORM OXYGEN BRIDGE STRUCTURES for which we have executed an application for Letters Patent in the United States, on even date herewith;

AND WHEREAS, ASM INTERNATIONAL N.V. (hereinafter "ASSIGNEE"), a Corporation, with its principal place of business at Jan van Eycklaan 10, 3723 BC Bilthoven, THE NETHERLANDS, desires to acquire the entire right, title, and interest in and to the said improvements and the said Application:

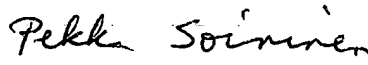
NOW, THEREFORE, in receipt of good and valuable consideration, the receipt of which is hereby acknowledged, we, the said inventors, do hereby acknowledge that we have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, successors, legal representatives and assigns, the entire right, title, and interest throughout the world in, to and under the said improvements, and the said application and all provisional applications relating thereto, and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all rights of priority under International Conventions and applications for Letters Patent which may hereafter be filed for said improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for said improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said improvements to the said ASSIGNEE, successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant and agree that we will communicate to the said ASSIGNEE, successors, legal representatives and assigns, any facts known to us respecting said improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, successors, legal representatives and assigns, to obtain and enforce proper patent protection for said improvements in all countries.

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 20 day of Oct, 2003

  
Ivo Raaijmakers

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 13<sup>th</sup> day of October, 2003.

  
Pekka J. Soininen

IN TESTIMONY WHEREOF, I hereunto set my hand and seal this 27<sup>th</sup> day of October, 2003

  
Kai-Erik Elers